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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/065,611	11/04/2002	Chen-Ho Lee	112.P14219	2461

43831 7590 02/06/2007  
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EXAMINER

WORKU, NEGUSSIE

ART UNIT PAPER NUMBER

2625

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/065,611

Applicant(s)

LEE, CHEN-HO

Examiner

Negussie Worku

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 and 9-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 9-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 November 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

1. This Office action is in response to the amendment filed on 11/28/06, in which, claims 1-7 and 9-15 are pending, and claims 8 and 16 have been cancelled.

### ***Response to the arguments***

2. Applicant's arguments, see pages 14 and 15, filed 11/28/06, with respect to the rejection(s) of claim(s) 1-16, have been fully considered and are persuasive.

Therefore, the rejection has been withdrawn. However, upon further consideration applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, This Office action made final.

### ***Objection to the Specification***

3. 35 U.S.C. 112, first paragraph, requires the specification to be written in "full, clear, concise, and exact terms." The specification is replete with terms, which are not clear, concise and exact. The specification should be revised carefully in order to comply with 35 U.S.C. 112, first paragraph. In page 4, 2<sup>nd</sup> paragraph, lines 4-5, shows Dumping signal represented by "TR", and further down to next lines shows "RT" signal, which might be a typographical error, and also "RT" is not shown or indicated any where in the specification or in the drawing, and therefore a correction is needed.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-7, and 9-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Shinsky et al. (USP 6285398).

With respect to claim 1, a method of transferring image information from a scanning apparatus (10 of fig 1), wherein the scanning apparatus (10 fig 1), comprises an image extraction device (CCD 12 of fig 1) operative to transmit each pixel of data of a scan line to a computer (computer 20 of fig 1) during a period of a transfer signal via shift signal, (CCD 12 coupled to a timing chips 14 which provides a clock signal, col., lines 30-35) and no memory buffer, (a camera 10 of fig 1, has no buffer or any memory, see fig 1), the method comprising: adjusting a period of the shift signal based at least in part on a speed of reading the pixel data of the scan line by the computer, (CCD 12 provides image data at a rate determined by the timing chips 14 of fig 1, via a sample and hold, and analog digital converter circuit 16 of fig 1), thereby allowing the computer (host computer 20 of fig 1), to finish reading the pixel data of the scan line during the period of the transfer signal, (col.1, lines 36-40).

With respect to claim 2, Shinsky teaches the method (fig 3), wherein when the shift signal transmits (via interface 102 of fig 3) each pixel of the data of the scan line to the computer (host-computer 200 of fig 3) in a time shorter than the exposure time, a waiting time is added to equal the exposure time (brightness and contrast controller 322 of fig 4A).

With respect to claim 3, Shinsky teaches the method (fig 3) wherein the exposure time is constant (brightness and contrast controller 322 of fig 4A).

With respect to claim 4, Shinsky teaches the method (fig 3) wherein the exposure time is variable (brightness and contrast controller 322 of fig 4A).

With respect to claim 5 and 6, Shinsky teaches the method (fig 3) wherein the dumping (shifting) signal is enabled at a high level, (brightness and contrast controller 322 of fig 4A).

With respect to claim 7, Shinsky teaches the method (fig 3), wherein the image extraction device (100 of fig 3) includes a charge-coupled device (CCD 12 of fig 3).

With respect to claim 9, a method of transferring image information from a scanning apparatus (10 of fig 1), wherein the scanning apparatus (10 of fig 1), comprises an image extraction device (CCD 12 of fig 1) operative to transmit each pixel of data of

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a scan line to a computer (computer 20 of fig 1) during a period of a transfer signal via shift signal, (CCD 12 coupled to a timing chips 14 which provides a clock signal, col., lines 30-35) and no memory buffer, (a camera 10 of fig 1, has no buffer or any memory, see fig 1), the method comprising: performing one of shorting a period of shift signal if the computer uses a fast processing speed to process the pixel data of the scan line, (CCD 12 provides image data at a rate determined by the timing chips 14 of fig 1, via a sample and hold, and analog digital converter circuit 16 of fig 1, which has determination of adjusting a shift signal by a timing chips 14 of fig 1); and increasing the period of shift signal if the computer (host computer 20 of fig 1), finishes reading the pixel data of the scan line during the period of the transfer signal, (col.1, lines 36-40).

With respect to claim 9, a method of removing a memory of a scanning apparatus (fig 3), wherein the scanning apparatus (100 fig 3), comprises an image extraction device (camera 100 [CCD 12] of fig 3) operative to transmit each pixel of data of a scan line to a computer (computer 200 of fig 3) during a period referred to as an exposure time of a dumping signal via a shift signal, (exposure controller 322 of fig 4A) the method (fig 3).

With respect to claim 10, Shinsky teaches the method (fig 3), wherein when the shift signal transmits (via interface 102 of fig 3) each pixel of the data of the scan line to the computer (host-computer 200 of fig 3) in a time shorter than the exposure time, a

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waiting time is added to equal the exposure time (brightness and contrast controller 322 of fig 4A).

With respect to claim 11, Shinsky teaches the method (fig 3) wherein the exposure time is constant (brightness and contrast controller 322 of fig 4A).

With respect to claim 12, Shinsky teaches the method (fig 3) wherein the exposure time is variable (brightness and contrast controller 322 of fig 4A).

With respect to claim 13 and 14, Shinsky teaches the method (fig 3) wherein the dumping (shifting) signal is enabled at a high level, (high brightness and contrast controller 322 of fig 4A).

With respect to claim 15, Shinsky teaches the method (fig 3), wherein the image extraction device (100 of fig 3) includes a charge-coupled device (CCD 12 of fig 3).

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

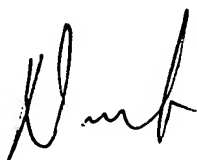
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Negussie Worku whose telephone number is 571-272-7472. The examiner can normally be reached on 9am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung Moe can be reached on 571-272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

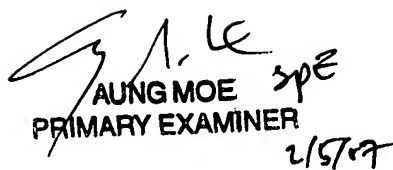


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Negussie Worku

01/25/07



AUNG MOE *spe*  
PRIMARY EXAMINER  
2/5/07